

INTERNATIONAL SEARCH REPORT

Internat Application No

PCT/CA 03/00006

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 A61B5/00 G01N21/35 G01N21/31

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 A61B G01J G01N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|------------|---|-----------------------|
| X | EP 0 536 304 A (FUTREX INC) 14 April 1993 (1993-04-14) page 10, line 56 -page 11, line 32; figure 14 page 22, line 49 -page 23, line 52 --- | 1-12 |
| X | US 5 886 347 A (UKON JUICHIRO ET AL) 23 March 1999 (1999-03-23) column 7, line 1 - line 43; claim 1 --- | 1-12 |
| A | WO 91 11136 A (BOSTON ADVANCED TECH) 8 August 1991 (1991-08-08) claims 1,2; figure 9 --- | 1-12 |
| X | US 5 068 536 A (ROSENTHAL ROBERT D) 26 November 1991 (1991-11-26) claims 1,10 ----- | 1-12 |

☐ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

° Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- * & * document member of the same patent family

Date of the actual completion of the international search

7 March 2003

Date of mailing of the international search report

14/03/2003

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Consalvo, D

INTERNATIONAL SEARCH REPORT

Information on patent family members

Internati. Application No

PCT/CA 03/00006

| Patent document cited in search report | | Publication date | Patent family member(s) | Publication date |
|---|---|---------------------|----------------------------|---------------------|
| EP 0536304 | A | 14-04-1993 | US 5086229 A | 04-02-1992 |
| | | | US 5077476 A | 31-12-1991 |
| | | | US 5068536 A | 26-11-1991 |
| | | | DE 69123448 D1 | 16-01-1997 |
| | | | DE 69123448 T2 | 22-05-1997 |
| | | | EP 0536304 A1 | 14-04-1993 |
| | | | AT 145988 T | 15-12-1996 |
| | | | AU 8238791 A | 23-01-1992 |
| | | | CA 2086019 A1 | 28-12-1991 |
| | | | IE 912231 A1 | 01-01-1992 |
| | | | JP 5508336 T | 25-11-1993 |
| | | | NZ 238717 A | 26-08-1994 |
| | | | US 5576544 A | 19-11-1996 |
| | | | WO 9200513 A1 | 09-01-1992 |
| | | | US 5362966 A | 08-11-1994 |
| | | | US 5436455 A | 25-07-1995 |
| | | | US 6066847 A | 23-05-2000 |
| | | | US 5438201 A | 01-08-1995 |
| | | | US 5574283 A | 12-11-1996 |
| | | | US 5204532 A | 20-04-1993 |
| | | | US 5218207 A | 08-06-1993 |
| | | | US 5237178 A | 17-08-1993 |
| | | | US 5365066 A | 15-11-1994 |
| | | | ZA 9104977 A | 29-04-1992 |
| US 5886347 | A | 23-03-1999 | JP 3261264 B2 | 25-02-2002 |
| | | | JP 8029332 A | 02-02-1996 |
| | | | KR 200273 B1 | 15-06-1999 |
| WO 9111136 | A | 08-08-1991 | US 5054487 A | 08-10-1991 |
| | | | AU 7302991 A | 21-08-1991 |
| | | | WO 9111136 A1 | 08-08-1991 |
| | | | US 5239180 A | 24-08-1993 |
| | | | US 5246004 A | 21-09-1993 |
| | | | US 5222495 A | 29-06-1993 |
| | | | US 5222496 A | 29-06-1993 |
| US 5068536 | A | 26-11-1991 | US 5028787 A | 02-07-1991 |
| | | | US 5077476 A | 31-12-1991 |
| | | | AT 145988 T | 15-12-1996 |
| | | | AU 8238791 A | 23-01-1992 |
| | | | CA 2086019 A1 | 28-12-1991 |
| | | | DE 69123448 D1 | 16-01-1997 |
| | | | DE 69123448 T2 | 22-05-1997 |
| | | | EP 0536304 A1 | 14-04-1993 |
| | | | IE 912231 A1 | 01-01-1992 |
| | | | JP 5508336 T | 25-11-1993 |
| | | | NZ 238717 A | 26-08-1994 |
| | | | US 5576544 A | 19-11-1996 |
| | | | WO 9200513 A1 | 09-01-1992 |
| | | | US 6066847 A | 23-05-2000 |
| | | | US 5204532 A | 20-04-1993 |
| | | | AT 163844 T | 15-03-1998 |
| | | | AU 5042190 A | 13-08-1990 |
| | | | CA 2045599 A1 | 20-07-1990 |
| | | | DE 69032126 D1 | 16-04-1998 |
| | | | DE 69032126 T2 | 15-10-1998 |
| | | | EP 0456716 A1 | 21-11-1991 |

| Patent document cited in search report | Publication date | Patent family member(s) | Publication date |
|---|---------------------|----------------------------|---------------------|
| US 5068536 | A | ES 2114860 T3 | 16-06-1998 |
| | | JP 2191434 A | 27-07-1990 |
| | | JP 5058735 B | 27-08-1993 |
| | | KR 145695 B1 | 01-08-1998 |
| | | WO 9007905 A1 | 26-07-1990 |
| | | US 5086229 A | 04-02-1992 |
| | | US 5218207 A | 08-06-1993 |
| | | US 5365066 A | 15-11-1994 |
| | | US 5362966 A | 08-11-1994 |
| | | US 5436455 A | 25-07-1995 |
| | | US 5438201 A | 01-08-1995 |
| | | US 5574283 A | 12-11-1996 |
| | | US 5237178 A | 17-08-1993 |
